

PI 561690 to 561693-continued

PI 561692 **origin:** United States. **developed:** C.E. Townsend, R.L. Ditterline. **origin institute:** Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526 United States. **cultivar:** C-20. **pedigree:** 54 parental clones trace to the following: C-14 (7), C-15 (8), C-16 (4), C-17 (8), C-19 (14), and the original B population (13). **other id:** GP-111. **group:** CSR-OTHER LEGUMES. **other id:** W6 10535. **group:** W6. **restricted:** CSR. **remarks:** Selected for improved seedling vigor and mature plant vigor. Seedling emergence of the component polycross progenies (54) ranged from 82 to 207% of that of Monarch (14 seedlings/m of row) with a mean of 148%. Seed weight of the parental clones ranged from 3.37 to 5.56 g/1000 seeds with a mean of 4.29 g. Seed weight of Monarch is 4.14 g/1000 seeds. Perennial. Breeding Material. Seed.

PI 561693 **origin:** United States. **developed:** C.E. Townsend, R.L. Ditterline.. **origin institute:** Agricultural Research Service -- USDA, Crops Research Laboratory, 1701 Center Avenue, Fort Collins, Colorado 80526 United States. **cultivar:** C-21. **pedigree:** Sel. from cv. Lutana. **other id:** GP-112. **group:** CSR-OTHER LEGUMES. **other id:** W6 10536. **group:** W6. **restricted:** CSR. **remarks:** Selected for persistence from a dryland planting of the cv. Lutana near Sidney, Montana. Reselected for mature plant vigor. Some of the polycross progenies had good seedling emergence. Seed weight of the parental clones ranged from 2.96 to 4.29 g/1000 seeds with a mean of 3.64 g. Perennial. Breeding Material. Seed.

PI 561694 to 561695. Zea mays L. subsp. mays POACEAE Maize

Donated by: Smith, M.E., Cornell University Agr. Exp. Sta., 252 Emerson Hall, Ithaca, New York 14853-1902, United States. **remarks:** NYLB31 and NYRD4058 Maize Parental Lines. Received June 23, 1992.